

Product datasheet

Anti-IL-8 antibody ab7747

★★★★☆ 3 Abreviews 34 References 2 Images

Overview

Product name	Anti-IL-8 antibody
Description	Rabbit polyclonal to IL-8
Host species	Rabbit
Specificity	Please be aware that this product has low homology with the mouse and rat sequence of IL8 (Rat, 46%; Mouse 45%, UniProt blast) and we therefore cannot guarantee reactivity in these species.
Tested applications	Suitable for: IHC-P, WB, IHC-Fr, IP, ELISA, ICC/IF
Species reactivity	Reacts with: Human, Cynomolgus monkey, Rhesus monkey
Immunogen	Recombinant full length protein corresponding to IL-8.
Positive control	<div style="border: 1px solid #ccc; padding: 5px; display: inline-block;"> Purchase matching WB positive control: Recombinant human IL-8 protein > </div> recombinant IL-8, activated macrophages

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab7747** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

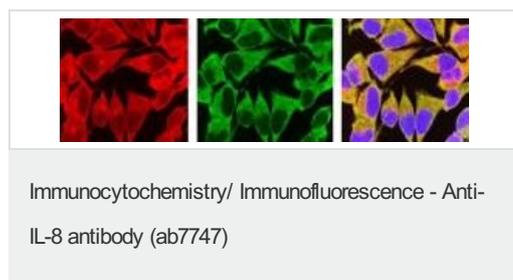
Application	Abreviews	Notes
IHC-P	★★★★☆	Use at an assay dependent concentration. PubMed: 17208399

Application	Abreviews	Notes
WB		1/10. Detects a band of approximately 6-8 kDa (predicted molecular weight: 11.1 kDa). IL-8 appears to exist as a dimer in solution.
IHC-Fr		Use at an assay dependent concentration. PubMed: 25120588
IP		1/10.
ELISA		Use at an assay dependent concentration.
ICC/IF	★★★★☆	Use at an assay dependent concentration. PubMed: 26270987

Target

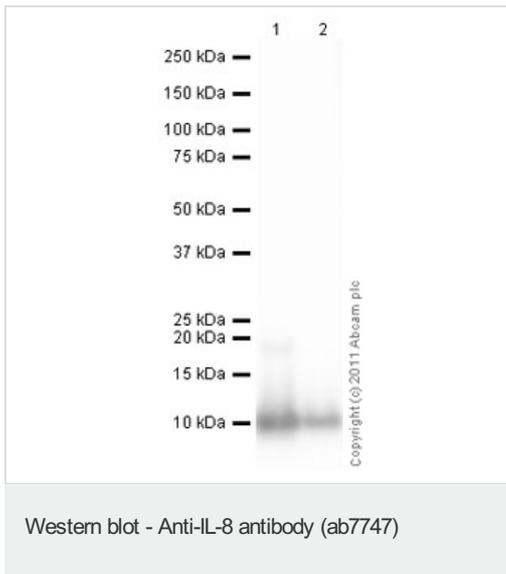
Function	IL-8 is a chemotactic factor that attracts neutrophils, basophils, and T-cells, but not monocytes. It is also involved in neutrophil activation. It is released from several cell types in response to an inflammatory stimulus. IL-8(6-77) has a 5-10-fold higher activity on neutrophil activation, IL-8(5-77) has increased activity on neutrophil activation and IL-8(7-77) has a higher affinity to receptors CXCR1 and CXCR2 as compared to IL-8(1-77), respectively.
Sequence similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Post-translational modifications	Several N-terminal processed forms are produced by proteolytic cleavage after secretion from at least peripheral blood monocytes, leukocytes and endothelial cells. In general, IL-8(1-77) is referred to as interleukin-8. IL-8(6-77) is the most prominent form.
Cellular localization	Secreted.

Images



ab7747 staining IL8 in SVGA astrocytes transfected with a plasmid encoding Vpr by ICC/IF

(Immunocytochemistry/immunofluorescence). The cells were stained for nucleus (blue), IL8 (green) and GFAP (red). Cells were fixed with ice-cold methanol/acetone (1:1) for 20 minutes at 20°C, washed 3x with PBS and permeabilized with 0.1% Triton X-100 in PBS and blocked with 1% BSA for 30 minutes at RT. Samples were incubated with ab7747 overnight in a humidified chamber. The cells were washed 5x with 0.1% Triton X-100 in PBS and incubated for 1h in secondary antibodies conjugated with Alexa Fluor 488 (Anti-Rabbit, 1:1000) at room temperature in the dark. All the antibodies were diluted in PBS containing 1% BSA.



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